

METHOD AND APPARATUS FOR DRUM LEVEL
CONTROL FOR DRUM-TYPE BOILERS

ABSTRACT OF THE DISCLOSURE

A method for controlling the level of a drum in a drum-type boiler includes adjusting a gain of a drum level PID (such as a Proportional Integral Derivative control) in accordance with a signal representative of a set of tuning constants, a signal representative of drum level, and a signal representative of a drum level setpoint. The method also includes utilizing a flow control PID to adjust a drum level control valve, wherein the flow control PID adjusts the drum level control valve in accordance with an output of the drum level PID, a signal representative of steam flow, and a signal representative of drum feedwater flow.